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**U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION REPORT**

I. HEADING

DATE: February 19, 2003

SUBJECT: **POLREP 40** Industrial Highway/Conservation Chemical Site, Gary, Lake County, IN

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II. BACKGROUND

CERCLA Site No: Z590
CERCLIS ID Number: IND040888992
Delivery Order Number: 3141-25
Response Authority: OPA/CERCLA
OPA ID Number: FPN#: 098022
Account Number: 90
NPL Status: Not on NPL
IDEM Notification: Yes
Start Date: Sept 1998
Completion Date: Pending

III. SITE INFORMATION

A. See POLREP 1-39 for previous U.S. EPA removal actions.

IV. RESPONSE INFORMATION

A. Situation

1. Planned Activities:

Installation of water pumps in the last two extraction wells, XW-6 and XW-5 will be completed.
ERRS will complete fixation of soil with lime kiln dust. Upon the completion of soil fixation, waste soil will be loaded out for off site disposal.
Vault for old infiltration gallery will be cleaned out and sludge will be consolidated with waste soil.
New cable will be installed from utility pole to the treatment building in preparation of permanent power hookup to treatment building.

2. Completed activities:

Monday, February 10, 2003, results from samples collected on February 7 were received. Analytical result for re-sample of soil mixed on February 4 was 22 mg/L. Analytical results for two samples collected from

soil mixed on February 5 with additional lime were 0.47 mg/L and non-detect. Soil mixed with a higher concentration of lime passed the TCLP standard of 5 mg/L. ERRS mixed in more lime with the soil that did not pass TCLP. ERRS subcontractor arrived on-site to clean out the old infiltration gallery vault from the treatment system at the airport. Sludge was cleaned out of the vault and mixed lime dust and treated waste soil. START collected samples of oil from piezometers PZ-22, PZ-30, and monitoring well MW-2. Oil samples were used to test the permeability of screens for scavenger pumps that will be placed in wells. Oil from PZ-30 and MW-2 passed through screens containing 100 squares per inch. Oil from PZ-22 required a screen with 60 squares per inch, indicating oil near XW-1 and XW-2 is thicker. All pumps currently have screens with 100 squares per inch. The screens on the pumps for XW-1 and XW-2 will be changed to 60 squares per inch.

Tuesday, February 11, 2003, ERRS installed last two water pumps in extraction wells XW-5 and XW-6. Load-out of treated waste soil for off site disposal began. A total of 14 loads and 315.28 tons of treated soil were disposed of off-site.

Wednesday, February 12, 2003, ERRS subcontractor on-site to install new cable from electrical pole to the treatment building. ERRS continued the load-out of waste soil for off-site disposal. A total of 26 loads and 733.47 tons of treated soil were disposed of off-site.

Thursday, February 13, 2003, ERRS continued the load-out of waste soil for disposal off-site. A total of 8 loads and 230.92 tons of treated soil were disposed of off-site.

Friday, February 14, 2003, NIPSCO arrived on-site to hook up permanent power to the treatment building. A grapple was mobilized to the site in order to begin loading out concrete and debris next week. There was no other site activities.

3. Enforcement:

Refer to Action Memorandum

B. Next Steps

Load-out of treated soil and concrete and debris will be completed
Decontamination and demobilization of heavy equipment will be completed
Install scavenger pumps in extraction wells.
Fire up the Treatment System, Shakedown and Operation.

C. Key Issues

Once the treatment systems are up and operational, U.S. EPA will operate the collection of oil for 3 years. At that time the Gary Chicago Airport will have to assess whether they will continue operation of the oil collection systems.

V. **COST INFORMATION (estimated as of February 13, 2003)**

A. CERCLA Funding (Conservation Chemical)

	Total Cost To Date	Ceiling
ERRS	\$ 538,839.34	\$ 690,000.00

B. OPA Funding (Industrial Highway)

	Total Cost To Date	Ceiling
ERRS	\$ 1,240,812.27	\$ 1,500,000.00
START	\$ 35,407.47	\$ 41,275.00

Total \$ 1,276,219.74

\$ 1,541,275.00

The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

VI. Waste Disposal (as of February 13, 2003)

Waste	Treatment	Loads	Tons	Disposition of Waste
Lead contaminated soil	Stabilized with lime kiln dust	48 loads	1,279.67 tons	Newton County Landfill. Newton County, IN.